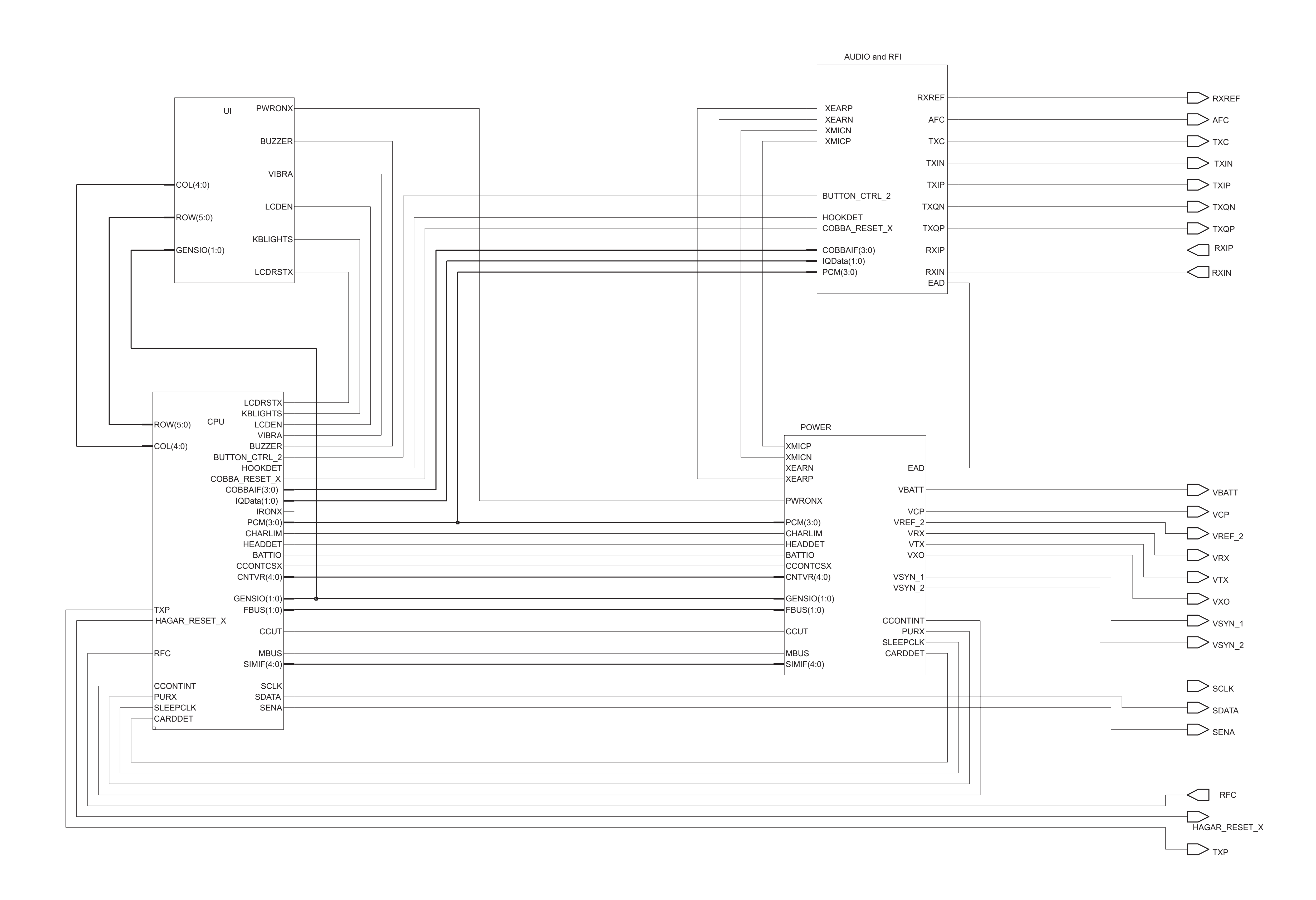
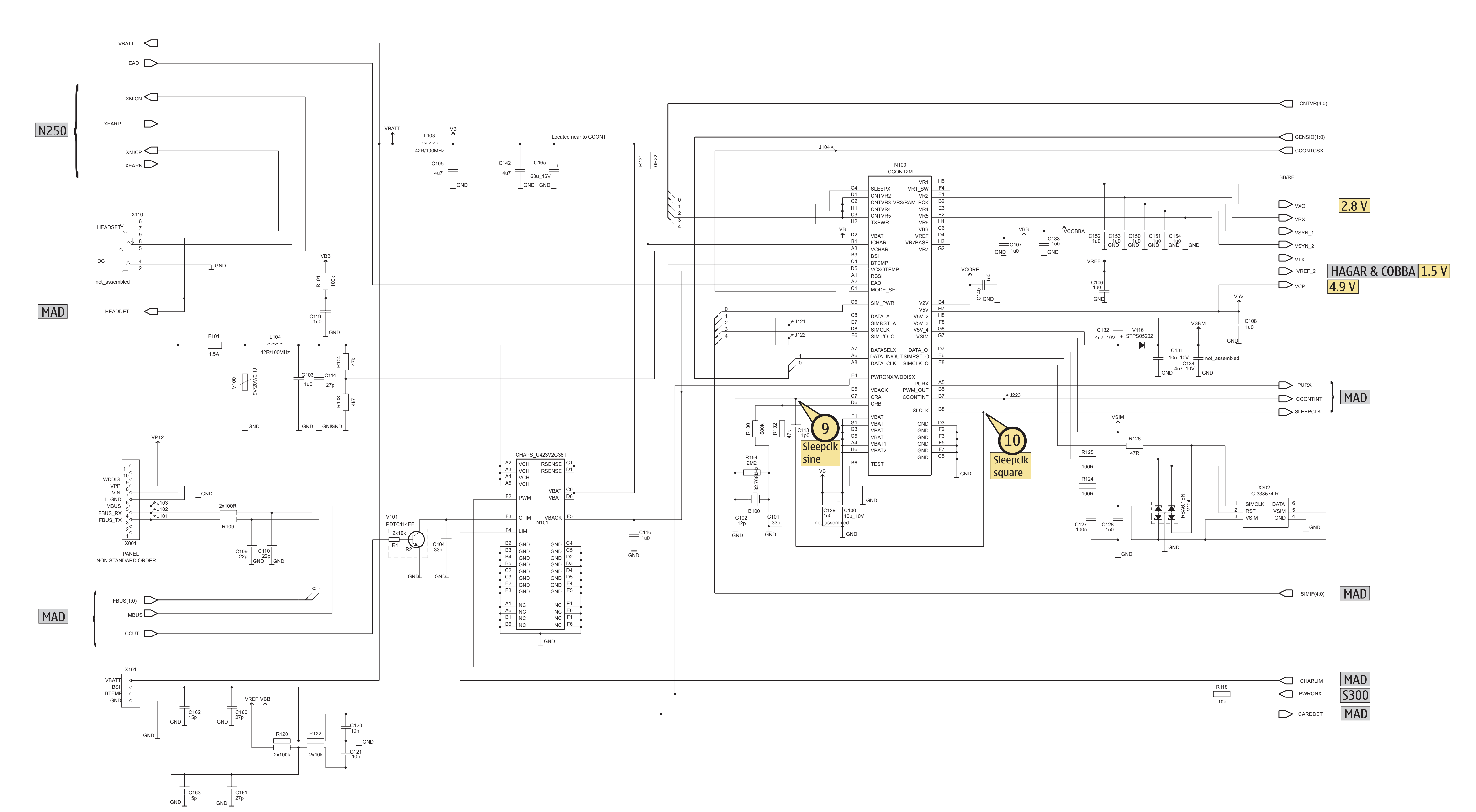
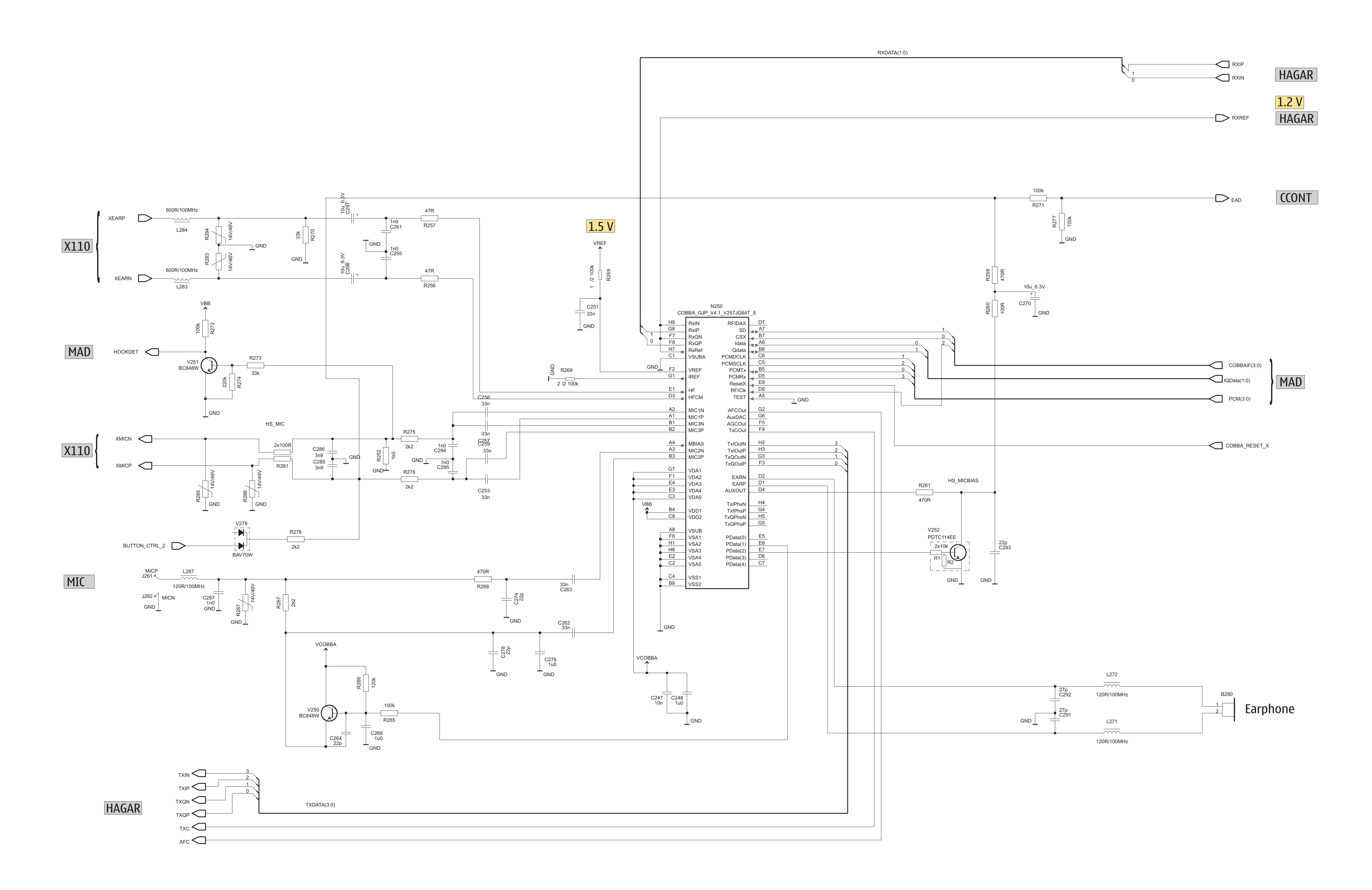


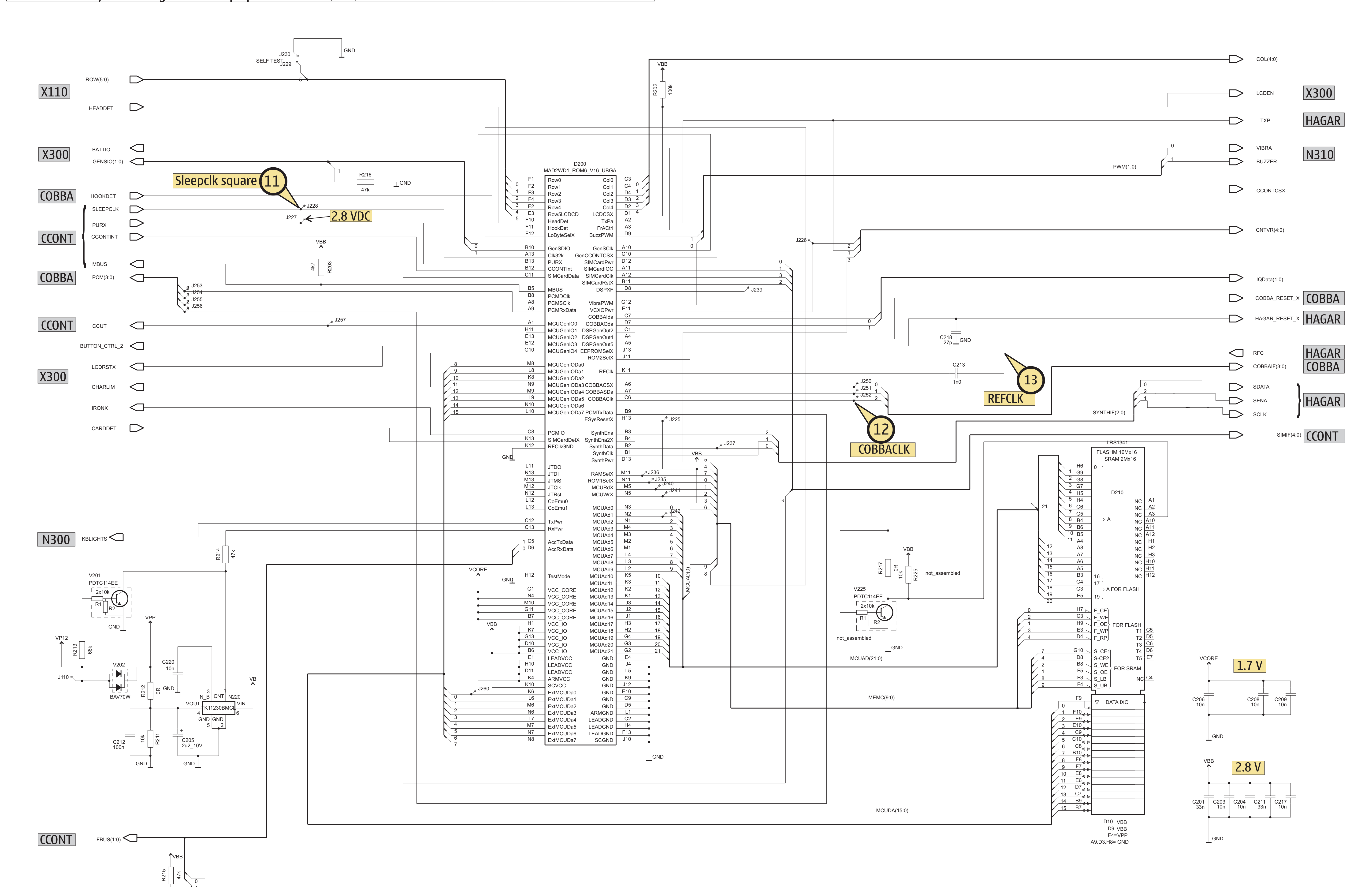
AUDIO and RFI
XEARP
XEARN
XMICN
XMICP
BUTTON_CTRL_2
HOOKDET
COBBA_RESET_X
COBBAIF(3:0)
IQData(1:0)
PCM(3:0)
RXREF
AFC
TXC
TXIN
TXIP
TXQN
TXQP
RXIP
RXIN
EAD
UI
PWRONX
BUZZER
VIBRA
LCDEN
KBLIGHTS
LCDRSTX
COL(4:0)
ROW(5:0)
GENSIO(1:0)
CPU
LCDRSTX
KBLIGHTS
LCDEN
VIBRA
BUZZER
BUTTON_CTRL_2
HOOKDET
COBBA_RESET_X
COBBAIF(3:0)
IQData(1:0)
IRONX
PCM(3:0)
CHARLIM
HEADDET
BATTIO
CCONTCSX
CNTVR(4:0)
GENSIO(1:0)
FBUS(1:0)
CCUT
MBUS
SIMIF(4:0)
SCLK
SDATA
SENA
ROW(5:0)
COL(4:0)
TXP
HAGAR_RESET_X
RFC
CCONTINT
PURX
SLEEPCLK
CARDDET
POWER
XMICP
XMICN
XEARN
XEARP
PWRONX
PCM(3:0)
CHARLIM
HEADDET
BATTIO
CCONTCSX
CNTVR(4:0)
GENSIO(1:0)
FBUS(1:0)
CCUT
MBUS
SIMIF(4:0)
EAD
VBATT
VCP
VREF_2
VRX
VTX
VXO
VSYN_1
VSYN_2
CCONTINT
PURX
SLEEPCLK
CARDDET
RXREF
AFC
TXC
TXIN
TXIP
TXQN
TXQP
RXIP
RXIN
VBATT
VCP
VREF_2
VRX
VTX
VXO
VSYN_1
VSYN_2
SCLK
SDATA
SENA
RFC
HAGAR_RESET_X
TXP



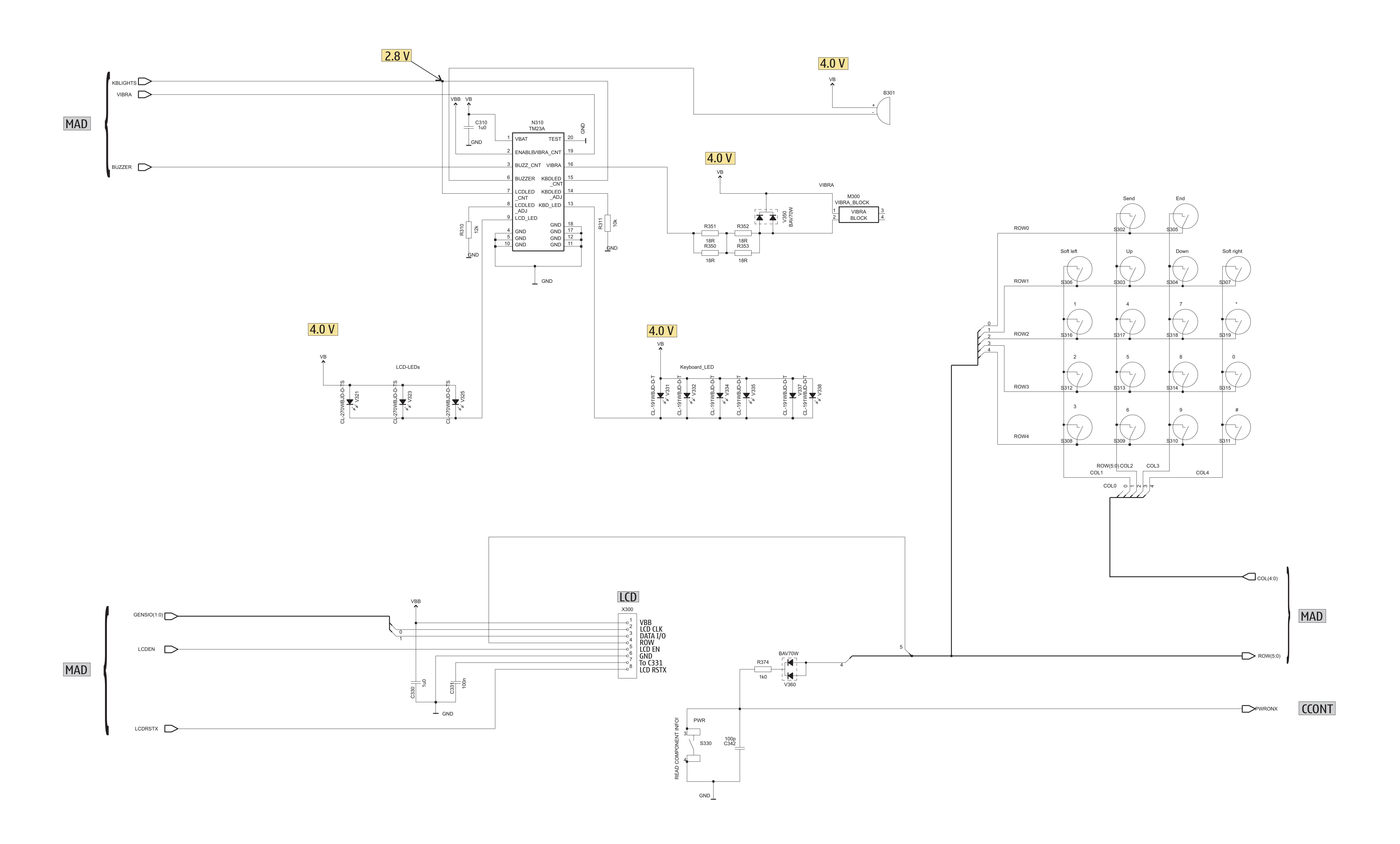
N250
MAD
MAD
MAD
MAD
MAD
MAD
S300
MAD
HAGAR & COBBA
2.8 V
1.5 V
4.9 V
9
Sleepclk sine
10
Sleepclk square
N100
CCONT2M
CHAPS_U423V2G36T
X302
C-338574-R
X110
X001
X101
PANEL
NON STANDARD ORDER
Located near to CCONT
VBATT
EAD
XMICN
XEARP
XMICP
XEARN
HEADSET
DC
HEADDET
FBUS(1:0)
MBUS
CCUT
CNTVR(4:0)
GENSIO(1:0)
CCONTCSX
BB/RF
VXO
VRX
VSYN_1
VSYN_2
VTX
VREF_2
VCP
PURX
CCONTINT
SLEEPCLK
SIMIF(4:0)
CHARLIM
PWRONX
CARDDET



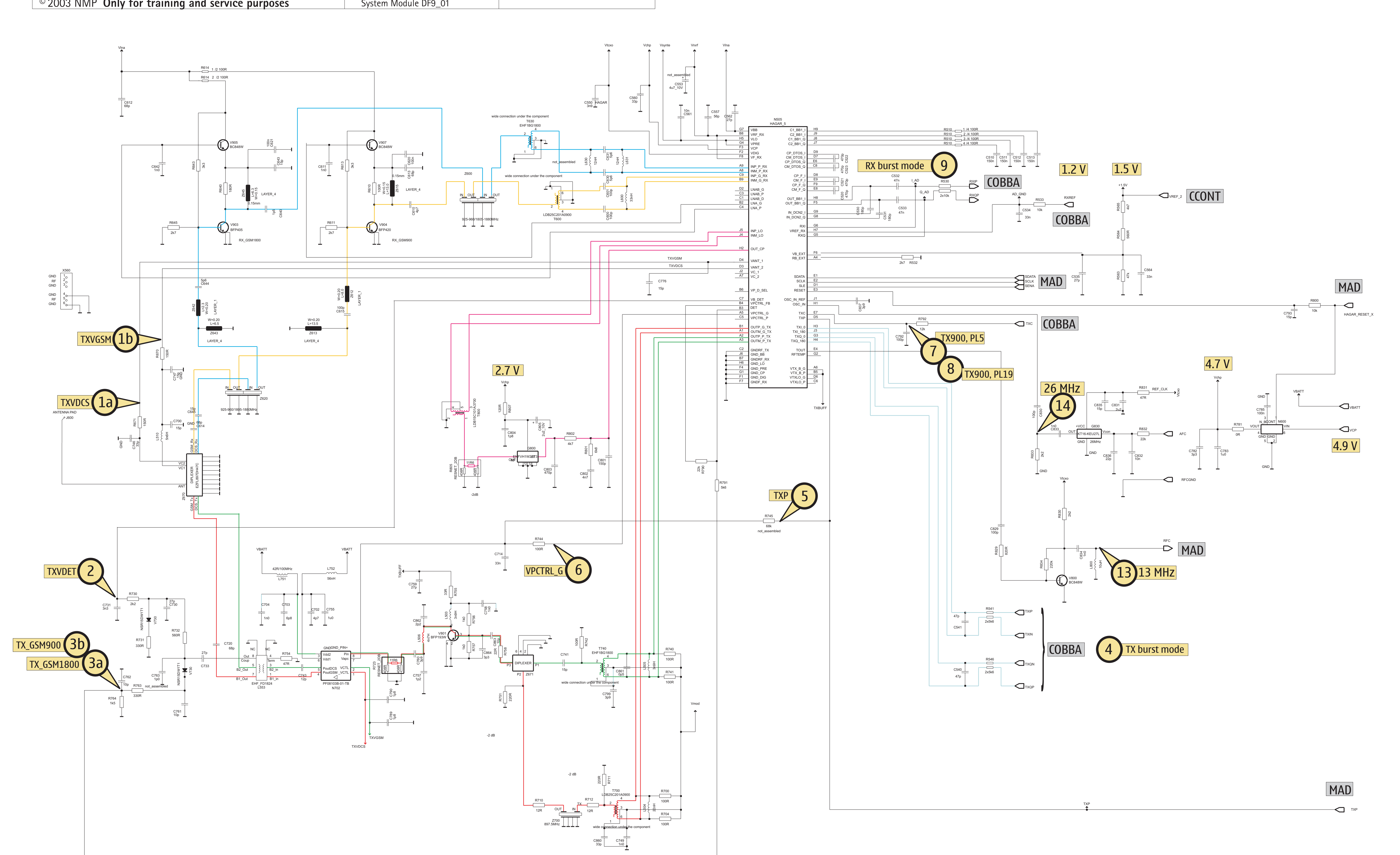
RXDATA(1:0)
RXIP
RXIN
HAGAR
1.2 V
RXREF
HAGAR
EAD
CCONT
1.5 V
VREF
X110
XEARP
XEARN
600R/100MHz
L284
L283
R284
R283
14V/46V
R270
33k
C297
C296
10u_6.3V
C261
C255
1n0
47R
R257
R256
GND
MAD
HOOKDET
VBB
R272
100k
V251
BC848W
R273
33k
R274
220k
HS_MIC
X110
XMICN
XMICP
2x100R
R281
C286
C285
3n9
R252
1k0
R275
2k2
R276
C294
C295
C258
C257
C259
C253
33n
R285
R286
BUTTON_CTRL_2
V278
BAV70W
R278
MIC
MICP
J261
L287
120R/100MHz
J262
MICN
C287
R287
R267
R268
470R
C274
22p
C263
C262
C278
C276
1u0
VCOBBA
V250
BC848W
R266
120k
R265
100k
C264
22p
C268
1u0
R269
2 /2 100k
C251
33n
N250
COBBA_GJP_V4.1_V257JG64T_8
RxIN
RxIP
RxQN
RxQP
RxRef
VSUBA
VREF
IREF
HF
HFCM
MIC1N
MIC1P
MIC3N
MIC3P
MBIAS
MIC2N
MIC2P
VDA1
VDA2
VDA3
VDA4
VDA5
VDD1
VDD2
VSUB
VSA1
VSA2
VSA3
VSA4
VSA5
VSS1
VSS2
RFIDAX
SD
CSX
Idata
Qdata
PCMDCLK
PCMSCLK
PCMTx
PCMRx
ResetX
RFIClk
TEST
AFCOut
AuxDAC
AGCOut
TxCOut
TxIOutN
TxIOutP
TxQOutN
TxQOutP
EARN
EARP
AUXOUT
TxIPhsN
TxIPhsP
TxQPhsN
TxQPhsP
PData(0)
PData(1)
PData(2)
PData(3)
PData(4)
C247
10n
C248
1u0
R271
R277
R258
470R
R260
100R
C270
10u_6.3V
COBBAIF(3:0)
IQData(1:0)
PCM(3:0)
MAD
COBBA_RESET_X
R261
470R
HS_MICBIAS
V252
PDTC114EE
2x10k
R1
R2
C293
22p
L272
L271
120R/100MHz
C292
C291
27p
B280
Earphone
HAGAR
TXIN
TXIP
TXQN
TXQP
TXC
AFC
TXDATA(3:0)



X110
X300
COBBA
CCONT
COBBA
CCONT
X300
N300
CCONT
Sleepclk square
11
2.8 VDC
D200
MAD2WD1_ROM6_V16_UBGA
X300
HAGAR
N310
COBBA
HAGAR
HAGAR
COBBA
13
REFCLK
12
COBBACLK
HAGAR
CCONT
LRS1341
FLASHM 16Mx16
SRAM 2Mx16
D210
1.7 V
2.8 V


2.8 V
4.0 V
MAD
KBLIGHTS
VIBRA
BUZZER
N310
TM23A
C310
1u0
VBB
VB
GND
VBAT
TEST
ENABLE
VIBRA_CNT
BUZZ_CNT
BUZZER
KBDLED_CNT
LCDLED_CNT
KBDLED_ADJ
LCDLED_ADJ
KBD_LED
LCD_LED
R310
12k
R311
10k
B301
VIBRA
M300
VIBRA_BLOCK
VIBRA BLOCK
V350
BAV70W
R351
R352
R350
R353
18R
LCD-LEDs
CL-270WBJD-D-TS
V321
V323
V325
Keyboard_LED
CL-191WBJD-D-T
V331
V332
V334
V335
V337
V338
Send
End
Soft left
Up
Down
Soft right
ROW0
ROW1
ROW2
ROW3
ROW4
S302
S305
S306
S303
S304
S307
S316
S317
S318
S319
S312
S313
S314
S315
S308
S309
S310
S311
ROW(5:0)
COL0
COL1
COL2
COL3
COL4
COL(4:0)
ROW(5:0)
LCD
X300
VBB
LCD CLK
DATA I/O
ROW
LCD EN
GND
To C331
LCD RSTX
GENSIO(1:0)
LCDEN
LCDRSTX
C330
1u0
C331
100n
R374
1k0
V360
PWR
S330
C342
100p
READ COMPONENT INFO!
PWRONX
CCONT

Band	Channel	RX	VCO/RX	VC/RX	TX	VCO/TX	VC/TX
GSM 900	38	942,6MHz	3770,4MHz	~2,54V	897,6MHz	3590MHz	~1,8V
GSM 1800	700	1842,8MHz	3685,6MHz	~3,2V	1747,8MHz	3495,6MHz	~2,5V



1a) TXVDCS

1b) TXVGSM

2) TXVDET

3a) GSM900 TX Powerlevel 5

3b) GSM1800 TX Powerlevel 0

4) TX burst mode only

5) TXP_TX burst mode only

6) VPCTRL_G

7) TX900 Powerlevel 5

8) Tx900 Powerlevel 19

9) RX burst mode only

10) SLEEPCLK_sinewave

11) SLEEPCLK_sqaurewave

12) COBBACLK

13) RFCLK

REF -20.0 dBm ATT 10dB

CENTER 13.0000 MHz

Marker 13.0000 MHz -21.17 dBm

Frequency Counter 12.999 992 MHz

CENTER 13.0000 MHz SPAN 200 kHz

14) OSC out

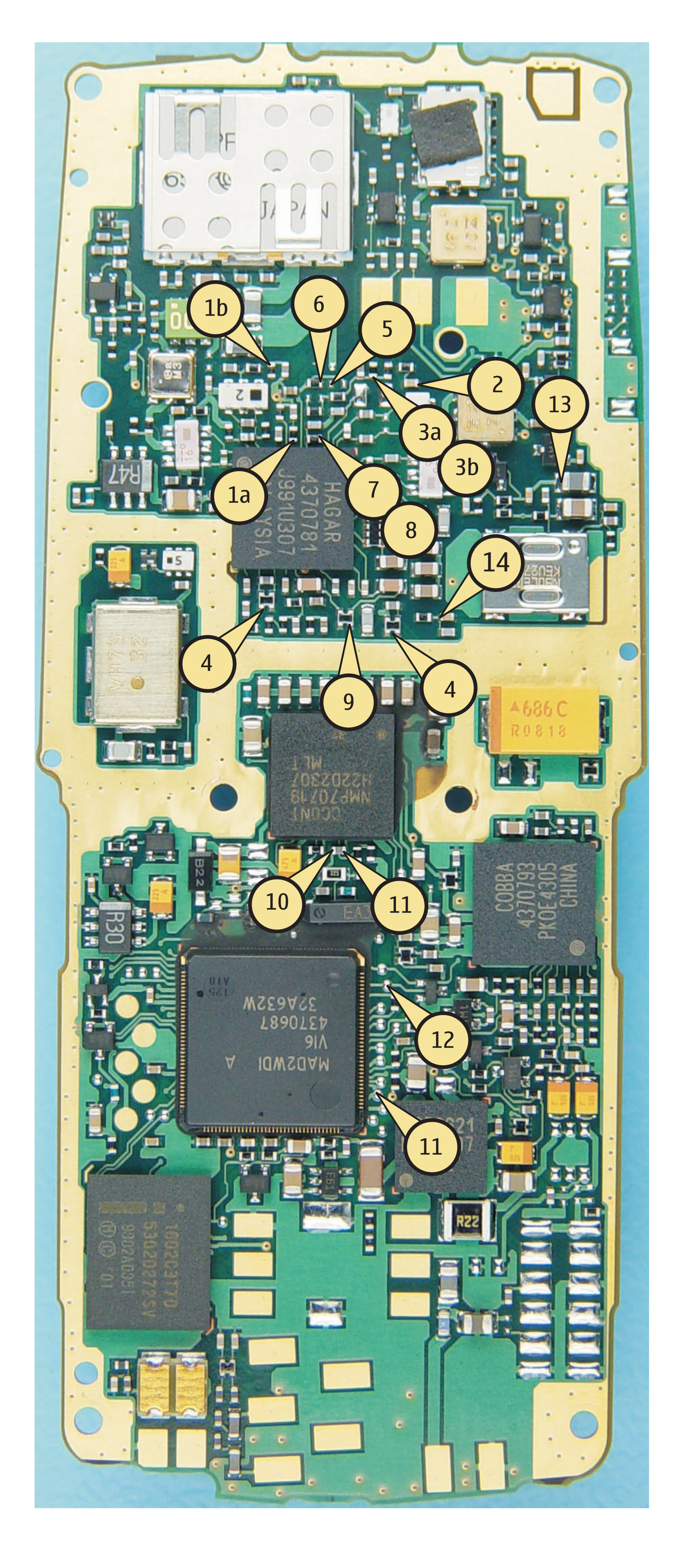
REF 0.0 dBm ATT 10dB

CENTER 26.0000 MHz

Marker 26.0000 MHz -14.89 dBm

Frequency Counter 25.999 986 MHz

CENTER 26.0000 MHz SPAN 200 kHz



B	C213 - E6	C531 - F3	C760 - E1/2	J252 - F6	R201 - F6	R533 - E4	R831 - G3
B100 - F5	C217 - E6	C532 - F3	C761 - F1	J600 - G1	R202 - E5	R541 - E4	R832 - G3
B301 - A/B1	C218 - E5	C533 - F3	C762 - F2	L	R203 - F6	R546 - F4	R833 - F4
C	C220 - D5	C534 - F4	C776 - E3	L103 - E2	R205 - F5	R563 - F4	R834 - G3
C101 - F5	C247 - G6	C535 - F4	C782 - D3	L104 - F7	R206 - E4	R564 - E/F4	S
C102 - F5	C248 - G5	C540 - F4	C783 - E3	L271 - G5	R211 - E6/7	R565 - E4	S330 - S1
C103 - F7	C251 - G5	C541 - E3	C785 - E3	L272 - G5	R212 - E6	R610 - G2	T
C104 - G6	C253 - G6	C550 - E3	C789 - E2	L283 - E8	R213 - D/E6	R611 - G1	T600 - F3
C105 - F6	C255 - G6	C557 - F2	C790 - E2	L284 - E8	R214 - D/E6	R613 - G1	T630 - F2/3
C106 - F4	C257 - G6	C560 - E3	C792 - F3	L287 - E8	R215 - F6	R614 - G2	T700 - E3
C107 - F5	C258 - G6	C561 - F3	C793 - E4	L503 - E2	R216 - F6	R640 - G2	T740 - E2
C108 - E4	C259 - G6	C562 - F3	C799 - E2	L504 - E3	R217 - E5	R643 - G2	T800 - E3
C109 - G6	C261 - G6	C564 - E/F4	C801 - E4	L505 - E3	R252 - G6	R645 - G2	V
C110 - G7	C262 - G6	C600 - F3	C802 - E4	L506 - E2	R256 - G6	R670 - E2	V100 - G7
C113 - F5	C263 - G6	C601 - F3	C803 - E4	L510 - G1	R257 - G6	R671 - F3	V101 - F6
C114 - F7	C264 - G6	C610 - G1/2	C804 - E3/4	L553 - F1	R258 - G6	R700 - E3	V104 - F7
C116 - F5	C268 - G6	C611 - G2	C805 - E3	L600 - F3	R260 - G6	R704 - E2	V116 - E5
C119 - F6	C270 - G7	C612 - G2	C829 - F/G3	L631 - F3	R261 - G6	R710 - E2	V250 - G6
C120 - F5	C274 - G6	C613 - G2	C830- F4	L751 - E2	R265 - G6	R711 - E3	V251 - G6
C121 - F6	C276 - G6	C614 - F1	C831 - G3	L752 - E2	R266 - G6	R712 - E3	V252 - G6
C127 - E6	C278 - G6	C615 - G2	C832 - G3	L800 - G3	R267 - G6	R723 - D1	V321 - B5
C128 - F7	C283 - E8	C620 - G2/3	C833 - F4	M	R268 - G6	R730 - F2	V323 - A5
C129 - F4	C284 - E8	C621 - G2/3	C834 - G3	M300 - E8	R269 - G4	R731 - F2	V325 - C5
C131 - E5	C285 - E8	C630 - F2/3	C835 - G3	N	R270 - G7	R732 - F2	V331 - B8
C132 - E/F5	C286 - E8	C631- F3	C836 - G3	N100 - F4	R271 - F6	R740 - E3	V332 - B6
C133 - F4	C287 - E8	C640 - G2	C837 - E3	N101 - F6	R272 - G6	R741 - E3	V334 - C8
C140 - F5	C291 - G5	C642 - G3	C860 - E3	N220 - E5	R273 - G6	R742 - E2	V335 - C6
C142 - G7	C292 - G5	C643 - G2	C861 - E3	N250 - G5	R274 - G6	R744 - F2	V337 - B5
C150 - F4	C293 - G6	C644 - G2	C862 - D/E2	N310 - C1	R275 - G6	R751 - E2	V338 - C5
C151 - F4	C294 - G6	C645 - F2	C863 - E2	N505 - E/F3	R276 - G6	R754 - F1	V350 - E5
C152 - E4	C295 - G6	C700 - G1	C864 - D2	N600 - D/E3	R277 - F6	R755 - E2	V360 - E5
C153 - F4	C296 - G6	C702 - F1	D	N702 - E/F1/2	R281 - E8	R756 - E2	V730 - F1
C154 - F4	C297 - G6	C703 - E2	D200 - E6	R	R283 - E8	R757 - E2	V800 - G3
C160 - F5	C310 - A2	C704 - E2	D210 - E7	R100 - F5	R284 - E8	R758 - E2	V801 - D/E2
C161 - F5	C330 - F4	C714 - F2	F	R101 - E/F7	R285 - E8	R763 - F2	V903 - G2
C162 - F2	C331 - F4	C720 - F1	F101 - F7	R102 - F5	R286 - E8	R764 - F2	V904 - G1/2
C163 - F2	C342 - C1	C730 - F2	G	R103 - F7	R287 - E8	R781 - D3	V905 - G3
C165 - G4	C405 - G7	C731 - F2	G800 - E4	R104 - F7	R310 - C2	R790 - F2	V907 - G2
C201 - E6	C510 - F3	C733 - F1	G830 - G3	R109 - G6	R311 - C2	R791 - F2	X
C203 - F6	C511 - F3	C741 - E2	J	R118 - E5	R350 - C2	R792 - F3	X300 - B4
C204 - E5	C512 - F3	C743 - F1	J101 - E6	R120 - F5	R351 - C2	R800 - E4	Z
C205 - E5	C513 - F3	C746 - F2/3	J102 - E6	R122 - F5/6	R352 - C2	R801 - E4	Z600 - G2/3
C206 - E6	C520 - F3	C747 - E/F2	J103 - E6	R124 - F7	R353 - C2	R802 - E4	Z620 - F2
C208 - E/F5	C521- F4	C755 - E2	J226 - F7	R125 - F7	R374 - E5	R805 - E3	Z670 - F1
C209 - E6	C522 - F3	C757 - D2	J227 - F7	R128 - F5	R510 - F3	R807 - D3	Z671 - E2
C211 - E6	C523 - F3	C758 - E2	J228 - F7	R131 - G7	R530 - F4	R829 - G3	Z700 - E2
C212 - D/E6	C530 - F3	C759 - E2	J237 - F5	R154 - F5	R532 - E2/3	R830 - G3	

